

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051821\
 Data File : VW019013.D
 Acq On : 18 May 2021 11:32
 Operator : SY/VA
 Sample : M2250-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2021-05

Manual Integrations
 APPROVED

MMDadoda
 5/21/2021 6:47:31 PM

Quant Time: May 19 01:15:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM051421SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 19 01:14:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	8.848	114	564486	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.634	117	519437	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.560	152	249870	25.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	146577	25.52	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	102.08%
7) Chloroethane-d5	2.898	69	124922	22.55	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.20%
11) 1,1-Dichloroethene-d2	4.025	63	227267	17.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.32%
21) 2-Butanone-d5	7.080	46	84141	55.62	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.24%
24) Chloroform-d	7.647	84	342950	23.74	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.96%
26) 1,2-Dichloroethane-d4	8.305	65	188391	25.10	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.40%
32) Benzene-d6	8.275	84	687465	23.71	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	94.84%
36) 1,2-Dichloropropane-d6	9.274	67	206251	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.08%
41) Toluene-d8	10.323	98	640464	23.56	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.24%
43) trans-1,3-Dichloroprop...	10.579	79	88456	24.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	96.84%
47) 2-Hexanone-d5	10.927	63	67628	53.82	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.64%
56) 1,1,2,2-Tetrachloroeth...	12.695	84	167408	25.71	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.84%
66) 1,2-Dichlorobenzene-d4	13.853	152	212701	24.64	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.56%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.008	85	5075	0.88	ug/L	94
3) Chloromethane	2.215	50	6060	1.05	ug/L	99
5) Vinyl chloride	2.367	62	9582m	1.29	ug/L	
6) Bromomethane	2.788	94	6884	1.12	ug/L	99
8) Chloroethane	2.928	64	5860	1.13	ug/L	94
9) Trichlorofluoromethane	3.263	101	5386	0.99	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.068	101	9622m	1.29	ug/L	
12) 1,1-Dichloroethene	4.044	96	10074	1.39	ug/L #	1
13) Acetone	4.141	43	4557	3.55	ug/L	96
14) Carbon disulfide	4.391	76	20833	1.02	ug/L	98
15) Methyl Acetate	4.678	43	3060	1.15	ug/L #	88
16) Methylene chloride	4.928	84	23557	2.49	ug/L	93
17) trans-1,2-Dichloroethene	5.428	96	8394	1.05	ug/L	92
18) Methyl tert-butyl Ether	5.422	73	10173m	1.06	ug/L	
19) 1,1-Dichloroethane	6.220	63	15303	1.10	ug/L	97
20) cis-1,2-Dichloroethene	7.171	96	8704	1.04	ug/L	99
22) 2-Butanone	7.190	43	5625m	3.18	ug/L	
23) Bromochloromethane	7.507	128	3749m	1.04	ug/L	
25) Chloroform	7.677	83	16620	1.17	ug/L	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.403	62	10443	1.17	ug/L	98
29) Cyclohexane	7.958	56	12627	1.02	ug/L	99
30) 1,1,1-Trichloroethane	7.878	97	11619	1.03	ug/L #	76
31) Carbon tetrachloride	8.073	117	10951m	1.06	ug/L	
33) Benzene	8.323	78	35579	1.12	ug/L	100
34) Trichloroethene	9.092	95	9743	1.16	ug/L	90
35) Methylcyclohexane	9.335	83	14488	0.99	ug/L	97
37) 1,2-Dichloropropane	9.372	63	8126	1.06	ug/L #	94
38) Bromodichloromethane	9.646	83	9585	0.96	ug/L	87
39) cis-1,3-Dichloropropene	10.073	75	11992	1.04	ug/L	94
40) 4-Methyl-2-pentanone	10.213	43	9512	2.40	ug/L	96
42) Toluene	10.390	91	46481	1.33	ug/L	94
45) 1,1,2-Trichloroethane	10.786	97	5706	1.02	ug/L	93
46) Tetrachloroethene	10.866	164	6844	1.02	ug/L	97
48) 2-Hexanone	10.969	43	6414	2.48	ug/L	93
49) Dibromochloromethane	11.128	129	6566	1.04	ug/L	99
50) 1,2-Dibromoethane	11.238	107	5329	1.02	ug/L	98
51) Chlorobenzene	11.658	112	22723	1.05	ug/L	93
52) Ethylbenzene	11.731	91	39530	1.02	ug/L	98
53) m,p-Xylene	11.841	106	14868	1.02	ug/L	86
54) o-Xylene	12.170	106	12661	0.92	ug/L	99
55) Styrene	12.183	104	20528	0.88	ug/L	95
57) 1,1,2,2-Tetrachloroethane	12.713	83	8155	1.26	ug/L #	87
59) Bromoform	12.347	173	3221	1.00	ug/L #	96
60) Isopropylbenzene	12.463	105	35865	0.99	ug/L	97
61) 1,2,3-Trichloropropane	12.768	75	5465	1.21	ug/L	97
62) 1,3,5-Trimethylbenzene	12.945	105	27501	0.93	ug/L	99
63) 1,2,4-Trimethylbenzene	13.249	105	28352	0.95	ug/L	99
64) 1,3-Dichlorobenzene	13.499	146	17258	1.09	ug/L	89
65) 1,4-Dichlorobenzene	13.579	146	17453	1.11	ug/L	94
67) 1,2-Dichlorobenzene	13.865	146	15691	1.13	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	14.475	75	1296	1.34	ug/L	88
69) 1,3,5-Trichlorobenzene	14.627	180	12572	1.09	ug/L	99
70) 1,2,4-trichlorobenzene	15.133	180	10262	1.12	ug/L	95
71) Naphthalene	15.365	128	16946	1.02	ug/L	97
72) 1,2,3-Trichlorobenzene	15.548	180	8356	1.03	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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